

Author Index to Volume 38

(B) = Book Review; (L) = Letter to the Editor; (E) = Editorial;
(NC) = News and Comments; (R) = Review Article

- | | |
|--|--|
| <p> Abruzzo, M. A., 533
 Agarwal, D. P., 395
 Alonso, M. L., 954
 Amenomori, Y., 45
 Andrews, B. J., 699
 Antonarakis, S. E., 779
 Ashworth, L. K., 197
 Atkin, C. L., 940
 Atweh, G. F., 855

 Babu, A., 549
 Bach, G., 253
 Bachorik, P. S., 492
 Baier, L. J., 352
 Baker, E., 573
 Bale, S. J., 188
 Bartels, I., 280
 Baur, M. P., 482
 Beaty, T. H., 492
 Beaudet, A. L., 149
 Bech-Hansen, N. T., 67
 Bell, G. I., 848
 Berger, C., 309
 Bernstein, M. E., 775(L)
 Bertrams, J., 482
 Bias, W. N., 297
 Boehm, C. D., 779(L), 860
 Boggs, B. A., 149
 Bonné-Tamir, B., 341
 Borecki, I. B., 373
 Botstein, D., 109
 Bowden, D. K., 382
 Brandriff, B., 197
 Brook, D., 447
 Brown, J. P., 540
 Brown, L., 109, 330
 Brown, V., 860
 Bruns, G. A. P., 288, 447
 Buelow, K. H., 779(L)
 Bufton, L., 447 </p> | <p> Burns, J. P., 954
 Burns, T. W., 909
 Butler, C. D., 540

 Cannizzaro, L. A., 812
 Carlson, H. E., 909
 Carrano, A. V., 197
 Carritt, B., 428
 Cass, C., 848
 Cavalli-Sforza, L. L., 261(L),
 341, 599, 617
 Cavenee, W. K., 59
 Chaganti, R. S. K., 954
 Chakraborty, R., 918
 Chakravarti A., 188, 586, 779(L)
 Cho, K. W. Y., 812
 Christiansen, F. T., 688
 Chu, M.-L., 26
 Clayton, G., 688
 Clegg, J. B., 382
 Cobain, T. J., 688
 Cohen, M. M., 741
 Comings, D. E., 401(B)
 Cooper, D. N., 280
 Cox, D. W., 67, 699
 Coyle-Morris, J., 309
 Crandall, B., 262(B)
 Croce, C. M., 819

 Dadone, M. M., 805
 Daiger, S. P., 437
 Dancis, J., 707
 Darlu, P., 261(L)
 Davenport, S. L., 909
 Dawkins, R. L., 688
 d'Azzo, A., 505
 de la Chapelle, A., 109, 330
 de Lange, G., 617
 Demenais, F., 228
 Dewald, G. W., 520 </p> |
|--|--|

- Disteche, C. M., 751
Donis-Keller, H., 860
Dossetor, J. B., 971
Dowling, C. E., 860
Doyle, S., 149
Drabkin, H. A., 793
Dryja, T. P., 59
Duncan, A. M. V., 978
- Edwards, C. Q., 805
Ellenbogen, A., 13
Emanuel, B. S., 38, 812
Epstein, J., 59
Erbe, R. W., 533
Escano, G., 898
Ewens, W. J., 555
- Falk, C. T., 269
Farhud, D. D., 84
Farrall, M., 75
Fenton, W. A., 841
Flatz, G., 515
Flint, J., 382
Forget, B. G., 855
Fox, J. E., 841
Fraser, F. L., 400(B)
Friendman, C., 751
Froster-Iskenwis, U. G., 759
Fung, M. R., 567
- Gaidulis, L., 898
Galjaard, H., 137
Gasson, J. C., 819
Geller, R. L., 884
Gemmill, R. M., 309
Glover, T. W., 309
Glueck, C. J., 373
Goedde, H. W., 395
Goff, S. C., 860
Golde, D. W., 819
Gonzales, I. L., 419
Goode, M. E., 437
Goorin, A. M., 59
Gordon, L., 197
Graham, A., 848
Grebner, E. E., 505
- Greene, M. H., 188
Griffen, L. M., 805
Grubb, J., 125
Grumet, F. C., 170
Grzeschik, K. H., 26, 280
Gudas, L. J., 38
Gusella, J. F., 793
- Haaf, T., 319
Hack, A. M., 841
Hagihara, S., 667
Hanash, S. M., 352
Harada, S., 395
Harano, K., 45
Harano, T., 45
Hargesheimer, W., 482
Hasstedt, S. J., 940
Hayden, M. R., 759
Hect, B. K., 263(B)
Hect, F., 100(B), 263(B), 264(B), 591(B)
Hedrick, P. W., 965
Hill, A. V. S., 382
Hill, W. G., 776(L)
Hirschhorn, R., 13
Hodge, S. E., 555, 783(B)
Holmes, T. M., 971
Hoogeveen, A. T., 137
Hopkinson, D. A., 382
Horsman, D., 759
Hough, C. A., 978
Hsu, L. C., 641
Huebner, K., 819
Huerre-Jeanpierre, C., 26
Huey, B., 170
Huisman, T. H. J., 45, 981(L)
Hunt, P. A., 533
Hutzler, J., 707
- Imamura, Y., 667
Inaba, I., 768
Inova, I., 667
Isobe, M., 819
- Jabs, E. W., 297, 793
Jackson, L. G., 505

- Jacobs, P. A., 533
Jinno, Y., 667
Johnson, D. D., 520
Johnson, M. J., 341, 617
Johnsson, C., 407
Jones, C., 540
Junien, C., 26
Jurima, M., 768
- Kalousek, D. K., 759
Kalow, W., 768
Kamiguchi, Y., 724
Kan, Y. W., 4
Karel, E. R., 827
Kaski, U., 330
Kaur, J. A., 540
Kazazian H. H., Jr., 1, 779(L),
860
Keenan, B., 688
Khoury, M. J., 492
Kidd, V. J., 898
King, M.-C., 159, 170, 599
Knowlton, R. G., 860
Kobayashi, K., 667
Koduru, P. R. K., 954
Kolodny, E. H., 505
Kottke, B. A., 361
Koufos, A., 59
Kovacs, B. W., 590(B)
Kueppers, F., 898
Kushner, J. P., 805
Kutlar, F., 45, 981(L)
Kutler, A., 981(L)
Kwiterovick, P. O., Jr., 492
- Lalouel, J. M., 228
Lange, K., 681
Laskarzewski, P. M., 373
Lathrop, M., 228
Ledbetter, D. H., 437
Lew, R., 868
Li, C. C., 586
Lisker, R., 395
Litt, M., 288, 447
Littman, V., 197
Lourien, E. W., 235
- Lott, M. T., 461
Lucotti, G., 407
Luger, A. M., 909
- MacGillivray, R. T. A., 567
MacLean, C. J., 868
Magenis, R. E., 235, 288, 447
Maidman, J., 576
Malmgren, J., 170
Mansfield, D. A., 505
Mao, S. J. T., 361
Markel, D., 352
Massey, E. J., 540
Mattei, M.-G., 26
Matuo, S., 667
Mayer, M., 533
McCarthy, J., 461
McDermid, H. E., 978
Meerakhan, P., 712
Meyers, D. A., 297
Mikamo, K., 724
Miller, Y., 540
Miwa, S., 45
Mohandas, T. K., 641, 782(B), 884
Mohrenweiser, H. W., 649
Moll, P. P., 361
Morgan, K., 971
Morton, N. E., 868
Muensch, H., 898
Myers, J. C., 38
- Naidu, J. M., 649
Nakatsuji, T., 981(L)
Natali, A., 341
Neel, J. V., 352, 649
Neufeld, E. F., 505
Newberg, P. E., 860
Ngo, K. Y., 407
Niezgoda, W., 352
Nijenhuis, L. E., 712
Noda, T., 667
Noel, B., 109
Nomiyama, H., 667
Noonan, K. J., 520
North, P., 75
Nussbaum, R. L., 149

- O'Brien, W. E., 149
Oh, J., 891
Ohba, Y., 45
Oliver, N. A., 461
Olson, S. B., 235
Oppenheimer, S. J., 382
Orkin, S. H., 860
Orth, D. N., 909

Page, D. C., 109, 330
Palatnik, M., 390
Palmeri, S., 137
Panny, S. R., 741
Papiha, S. S., 84
Parry-Jones, N. J., 428
Parvinen, T., 330
Patterson, D., 793
Pazderka, F., 971
Pearce-Birge, L., 309
Petersen, B. H., 482
Peterson, C. J., 741
Peterson, G. M., 848
Pfeiffer, R. A., 759
Ping, F. H., 555
Plowman, G. D., 540
Pollak, E., 209
Pollack, M. S., 688
Potter, J. L., 149
Prins, H. K., 712

Raffe, L. J., 848
Raghavan, S. S., 505
Ramirez, F., 26, 269
Rao, D. C., 373
Rapaport, J. M., 59
Rittner, C., 482
Roberts, D. F., 84
Rosenberg, L. E., 841
Rosenblum, B. B., 352
Rothhammer, F., 395
Rothman, E. D., 649
Rotter, J. I., 848
Rouyer, F., 109
Rowley, P. T., 99(B), 784(NC)
Rumbolo, P., 125

Saal, H., 751
Saheki, T., 667
Samloff, I. M., 848
Sangiorgi, F. O., 26
San Juan, A. C., Jr., 940
Scambler, P., 75, 567
Schildge, C., 515
Schmickel, R. D., 419
Schmid, M., 319
Schmidtke, J., 280
Schottky, A., 759
Schull, W. J., 390
Schwartz, C. E., 848
Schwartz, M. F., 741
Schwartz, R. C., 269
Schwartz, S., 741
Schwinger, E., 759
Scoggin, C., 262(B)
Sekou, H., 515
Seligman, P. A., 540
Sellinger, B. T., 38
Serjeantson, S. W., 382
Shapiro, L. J., 884
Shaw, D., 447
Sheehy, R., 288
Shepard, T. H., 102(B)
Shimada, K., 667
Shimizu, K., 45
Simmmler, M.-C., 109
Sing, C. F., 361
Skolnick, M. H., 805, 848
Sly, W. S., 125
Smith, H. H., 492
Smouse, P. E., 918
Sniderman, A., 492
So, S. Y., 898
Sobel, M. E., 26
Sparkes, R. S., 909
Spence, M. A., 783(B), 909
Spinner, N. B., 159
Spurbeck, J. L., 520
Steinlein, K., 319
Stradmann, B., 482
Strisciuglio, P., 125
Sundaram, V., 125

- Sutherland, G. R., 573
Sybert, V., 751
- Taggart, R. T., 848
te Meerman, G. J., 827
Teng, B., 492
ten Kate, L. P., 827
Third, J. L. H. C., 373
Thuline, H., 751
Tippett, P. A., 330
Tomar, D., 447
Torfs, C. P., 170
Tsipouras, P., 269
- Valetin, J., 582
Van Keuren, M. L., 793
van Tuinen, P., 437
Vergnaud, G., 109, 407
Verheijen, F. W., 137
Verma, C., 712
Verma, R. S., 549
- Waber, P. G., 779(L)
Wainwright, B. J., 567
Wallace, D. C., 341, 461
Wang, H. S., 759
Wang, J.-C. C., 533
Warburton, D., 576
Watchmaker, G., 197
- Waters, E., 741
Watkins, P. C., 793
Weichselbaum, R., 59
Weil, D., 26
Weinmann, R., 812
Weir, B. S., 776(L)
Weissenbach, J., 109, 407
Welch, H. M., 428
White, B. N., 978
White, S., 492
Whitehouse, D. B., 382
Whittaker, J. O., 395
Wijnen, J. Th., 712
Wijnen, L. M. M., 712
Williams, R. R., 361
Williamson, R., 75, 567
Wills, D. E., 699
Wong, C., 860
Woo, S. L. C., 898
Woolf, L. I. (L)
- Yang, J., 461
Ye, J., 461
Yee, S., 868
Yoshida, A., 641
Yu, C.-X., 576
Yu, C.-Y., 576
Yu, M.-T., 576
- Zlotogora, J., 253

Subject Index to Volume 38

(L) = Letter to the Editor; (E) = Editorial; (NC) = News and Comments;
(R) = Review Article

- ABO blood group
 aldehyde dehydrogenase, 395
 B atypical gene in Brazil, 390
 in Brazilian population, 390
 polymorphism in, 395
- Adenosine deaminase, partial deficiency, 13
- Adrenals, 21 hydroxylase deficiency in, 688
- Aldehyde dehydrogenase, gene assignment of 1 and 2, 641
- Alpha 1-antitrypsin, complete absence of, 898
- Alport syndrome, genetic heterogeneity among kindreds, 940
- Antigen, p97 on chromosome 3, 540
- Apolipoprotein, measurement of A-I levels, 361
- Argininosuccinate synthase, messenger RNA in citrullinemia, 667
- Autoimmunity, thyroid disease, rheumatoid arthritis, and insulin-dependent diabetes mellitus, 170
- β -globin gene
 nonuniform recombination within, 776(L)
 nonuniform recombination within, a reply, 779(L)
- β -thalassemia
 RFLPs, 855
 spontaneous mutation at, 860
- Books reviewed, authors/editors
 Arditta, R., 263
 Brown, K. S., 400
 Emery, A. E. H., 99
 Feynman, R. P., 591
 Filkins, K., 590
 Goodfellow, P., 262
 Gottesman, M. M., 782
 Kalter, H., 102
 Klein, R. D., 263
 Marois, M., 262
 Minden, S., 263
 Mitelman, F., 100
 Ott, J., 783
 Paul, N. W., 400
 Pullen, I. M., 99
 Russo, J. F., 590
 Salinas, C. F., 400
 Smith, G. F., 401
- Books reviewed/titles
 Analysis of Human Genetic Linkage, 783
 Catalog of Chromosome Aberrations in Cancer, 100
 Craniofacial Mesenchyme in Morphogenesis and Malformation, 400
 Encyclopedia Judaica, 264
 Genetic Analysis of the Cell Surface, 262
 Human Prenatal Diagnosis, 590
 Issues and Reviews in Teratology, 102
 Molecular Cell Genetics, 782
 Molecular Structure of the Number 21 Chromosome and Down Syndrome, 401
 Prevention of Physical and Mental Congenital Defects, 262
 Psychological Aspects of Genetic Counseling, 99
 "Surely You're Joking, Mr. Feynman!" *Adventures of a Curious Character*, 591
 Test-Tube Women. What Future for Motherhood? 263

- Carbonic anhydrase II, deficiency and carrier detection, 125
- Cat-eye syndrome, breakpoint localization of the marker chromosome, 978
- Centromeres, repeated DNA sequences in, 297
- Chorionic villous biopsy, improved methods of, 576
- Chromosomes
- homologous pairing of heterochromatic regions, 319
 - repeated DNA and centromeres, 297
 - Q-band variants and paternity, 235
- Chromosome 2
- polymorphic DNA in, 288
 - polymorphic locus 2q35→37, 288
- Chromosome 3
- human *DIS1* locus on, 428
 - p97 antigen at q24-qter, 540
- Chromosome 4, multiple polymorphic loci, 75
- Chromosome 7, regional mapping of six cloned DNA sequences, 280
- Chromosome 13, exclusion of cystic fibrosis at 13q34, 567
- Chromosome 17, RNA polymerase on 17p, 812
- Chromosome 18, heteromorphic marker of, 549
- Chromosome 21, regional localization of DNA sequences, 793
- Chromosome X
- 45,X males, 330
 - human erythroid potentiating activity, 819
 - inverted tandem duplication of, 741
- Chromosome Y
- deletion map of, 109
 - DNA probe in, 407
 - Sex-chromosome mosaicism with DNA probes, 751
- Citrullinemia, messenger RNA for argininosuccinate, 667
- Collagen
- dispersion of genes, 26
 - procollagen $\alpha 1(\text{IV})$ on 13q34, 38
 - Procollagen $\alpha 2(\text{I})$ in osteogenesis imperfecta, 269
- Complement, human C81 polymorphism, 482
- Cowden disease, gene marker studies and epidermal growth factor, 909
- Cystic fibrosis
- exclusion from chromosome 4, 75
 - exclusion from chromosome 13q34, 567
- Diabetes mellitus, insulin-dependent and autoimmune disease, 170
- DNA, regional mapping of chromosome 7, 280
- DNA demethylation, induced by 5-azacytidine at fragile X, 309
- DNA polymorphisms
- chromosome 19, 447
 - DIS1* on chromosome 3, 428
 - DIS1* on chromosomes 3 and 1, 437
 - Y mosaicism, 751
- Dysplastic nevi, and malignant melanoma, 188
- Equilibrium inbreeding, 965
- Erythroid potentiating activity, on chromosome X, 819
- Fragile sites, in fibroblasts, 573
- Fragile X
- 5-azacytidine in, 309
 - in lymphocyte and lymphoblast-like cultures, 533
- Galactosidosis, molecular heterogeneity, 137
- Genetic counseling, confidence intervals in, 681
- Globin
- nonuniform combination in β -globin, 776

- nonuniform combination in β -globin gene reply, 779
- Globin gene, α - and γ -globin in Japanese newborns, 45
- Glutathione peroxidase
formal genetics of, 712
in Djuka of Surinam, 712
- Glycoprotein, polymorphism of α_2 HS, 699
- Haptoglobin, polymorphism in Melanesians by DNA analysis, 382
- Hemochromatosis, localization in relation to HLA loci, 805
- Hemoglobin E, with a γ -globin gene triplication, 981(L)
- Heterogeneity, in linkage data, 599
- Hexosaminidase A, in clinically normal individuals, 505
- HLA
in Hutterite families, 971
linkage to hemochromatosis, 805
- Hunter syndrome, prenatal diagnosis, 253
- Huntington disease, reciprocal translocation of 4;5, 759
- Immunoglobulin, duplication of heavy gamma₂ genes, 67
- Lactase, adult phenotypes in Tuareg, 515
- Linkage
detection of heterogeneity, 599
multipoint analysis, 868
Y-linkage and pseudoautosomal, 891
- Lipoproteins
Gene for hypoalphalipoproteinemia, 373
Hypoalphalipoproteinemia, 373
in Amish with sitosterolemia, 492
- Lymphocytes, 7;14 translocation in, 520
- Malignant melanoma, and familial dysplastic nevi, 188
- Mitochondria
analysis by two-dimensional gel electrophoresis, 461
DNA types in Israeli populations, 341
Polymorphism of proteins, 159
- Mutatuion rate
Duchenne muscular dystrophy, 827
estimate in Amerindians, 649
three methods for estimating, 209
- New Genetics, symposium by the Social Issues Committee, 784(NC)
- Ornithine transcarbamylase, prenatal diagnosis of deficiency, 149
- Ornithine transcarbamylase locus, RFLPs at, 841
- Osteogenesis imperfecta, pro α 2(I) collagen gene in, 269
- Osteosarcoma, chromosome 13 homozygosity, 59
- Paternity analysis, RFLPs in, 918
- Paternity, Q-band analysis in, 235
- Paternity index
fallacious thinking about, 582(L)
reply, 586(L)
- Pepsinogen, DNA and protein polymorphisms, 848
- Phenylketonuria, heterozygous advantage in, 773(L)
- Platelets, two-dimensional gel polypeptides of polymorphisms, 352
- Polymorphisms
of human C81, 482
platelets by two-dimensional gel electrophoresis, 352
protein pepsinogen, 848
- Population genetics
effects of family size on parameters, 555
Genetic differentiation of Iranian communities, 84
Probability of ancestry exclusion, 261(L)

- Unified model of quantitative measurements, 228
- Q-bands, use in paternity testing, 235
- Quantitative measurements, unified model and, 228
- Restriction fragment length polymorphisms
 at the human ornithine transcarbamylase locus, 841
 β -thalassemia, 855
 chromosome 19, 447
 of Ig Gamma, 617
 in paternity analysis, 918
 mutation rate in Duchenne muscular dystrophy, 827
- Rheumatoid arthritis, relationship to insulin-dependent mellitus, 170
- Ribosomal RNA, human 18S evolution, 419
- RNA polymerase II, on 17p, 812
- Sex ratio, secondary 775(L)
- Sitosterolemia, Amish, 492
- Somatic pairing, of heterochromatic regions, 319
- Sperm
 cytogenetic analysis of, 724
 cytogenetics of, 197
 meiotic segregation in translocation carriers, 197
- Translocations
 in Huntington disease, 759
 meiotic segregation in, 954
 Mephenytoin hydroxylase deficiency, 768
 7;14, 520
 21-OH deficiency, HLA in, 688
- Two-dimensional gel electrophoresis analysis of mitochondrial proteins, 461
- Platelet polypeptides, 352
- William Allan Award
 introduction, 1
 thalassemia: molecular mechanisms and detection, 4
- X chromosome, fine mapping of distal short arm, 884
- Zellweger syndrome, hyperpipecolatemia in, 707

Author Index to Volume 39

(B) = Book Review; (L) = Letter to the Editor; (E) = Editorial;
(NC) = News and Comments; (R) = Review Article

- | | |
|-----------------------------|---------------------------------|
| Al-Awamy, B., 239 | Brownell, E., 194 |
| Aliquò, M. C., 621 | Buchanan, J. M., 707 |
| Allderdice, P. W., 612 | Buchwald, M., 681, 720 |
| Allen, F., 489 | Buetow, K., 720 |
| Anderson, C. E., 640 | Bulow, S., 133 |
| Anderson, J., 612 | |
| Antonarakis, S. E., 539 | Callahan, P., 425 |
| Arnett, F. C., 584 | Cantor, R. M., 25 |
| Ash, O., 300 | Carey, G., 775 |
| Astaldi Ricotti, G. B., 502 | Carlock, 397 |
| Axelman, J., 245 | Cassidy, S. B., 452 |
| | Cavalli-Sforza, L. L., 681, 699 |
| Babu, V. R., 088 | Cavenee, W., 425 |
| Baier, L. J., 317 | Cazes, M. H., 96 |
| Baird, M., 489 | Cederbaum, S. D., 186 |
| Bakker, E., 438 | Chamberlin, A. R., 573 |
| Balazs, I., 489 | Chirgwin, J. M., 291 |
| Ballantine, M., 307 | Chung, C. S., 603 |
| Barker, P. E., 661 | Cole, S., 729 |
| Barnett, D. R., 707 | Colombo, B., 631 |
| Bates, G., 713 | Comings, D. E., 153(BR) |
| Baur, M. P., 340, 528 | Conary, J., 371 |
| Beaty, T. H., 539, 584 | Conneally, P. M., 147(L) |
| Beaudet, A., 562, 681, 729 | Couch, R. M., 811 |
| Bell, G., 713 | Cowan, J. M., 618 |
| Bell, J., 713 | Craik, C., 699 |
| Benkovic, S. J., 179 | Crandall, J., 699 |
| Bergen, A. A. B., 438 | Croce, C. M., 307 |
| Bianco, I., 631 | Cromartie, E., 573 |
| Bianco, M., 283(L) | Curtis, P. J., 307 |
| Bias, W. B., 584 | |
| Bishop, D. T., 573 | Daneshvar, L., 699 |
| Bixler, D., 603 | Davies, K. A., 713 |
| Boehnke, M., 274, 513 | Dean, M., 694 |
| Boerwinkle, E., 137 | Demuth, D., 307 |
| Botstein, D., 282(L) | Denning, C. R., 707 |
| Bowcock, A., 681, 699 | deSa, D. J., 811 |
| Bowman, B. H., 707 | Devoto, M., 283(L), 832 |
| Brancati, C., 631 | Dewald, G., 414 |
| Brega, A., 502 | Didier, D. K., 291 |

- Di Rienzo, A., 631
Dixon, M. W., 350
Dizier, M., 640
Dizikes, G. J., 186
Doherty, R., 735
Drabkin, H. A., 179
Dupont, B., 461
- Ebbesen, P., 133
Eldridge, R., 421(B)
Elston, R. C., 112, 528, 670(L)
Erickson, J. D., 648
Essan, F., 239
Estivill, Y., 713
Eyre, D. R., 52
- Falusi, Y., 239
Farrall, M., 681, 713
Farrer, L. A., 146(L)
Felicetti, L., 631
Ferrell, R. E., 729, 817, 827
Field, L., 640
Firnhaber, C., 145(L)
Flejter, W. L., 88
Fogh-Andersen, P., 603
Fowle, J. R., III, 194
Francke, U., 079, 618
Fraser, F. C., 420(B)
Fudenberg, H. H., 133
- Galteau, M., 317
Gardella, R., 502
Gardner, J., 707
Gartler, S. M., 470
Gatti, R. A., 787
Gerber, M., 145(L)
Giblett, E. R., 612
Gjertson, D., 123
Glassberg, J., 489
Gluckson, M., 707
Golbus, M. S., 1
Grabowski, G. A., 763
Graves, P. N., 763
Graw, S. L., 179
Greenberg, C. R., 392
Greenberg, D. A., 329
- Grody, W. W., 186
Guisti, A., 489
Gurtler, H., 528
Gusella, J., 383
Guyda, H., 811
- Haight, G., 383
Haines, J. L., 147, 544
Halila, R., 222
Hanash, S. M., 317
Haque, S. K., 239
Harada, F., 537
Hards, R. G., 179
Hasilik, A., 371
Hasstedt, S. J., 300
Hayden, M. R., 392
Hecht, F., 151(B), 152(B),
673(B)
Heeren, T. C., 253
Heinzmann, C., 186
Henningsen, K., 528
Herbst, J., 694
Herr, H. M., 88
Hewitt, J., 392
Higgins, J. V., 88
Hilali, A. M., 239
Hill, P. J., 350
Hodge, S. E., 274
Hoff, M., 694
Hoffman, N., 735
Hofker, M. H., 438
Holm, T., 300, 425
Howard-Peebles, P. N., 151(B)
Huebner, K., 307
Huether, C. A., 361
Hughes, I. A., 811
Hummel, K., 528
- Immken, L. L., 397
Isobe, M., 307
- James, W. H., 542
Jeffreys, A. J., 11
Johnson, J. P., 787
Jorde, L. B., 166
Juji, T., 414

- Kaita, H., 612
Kalousek, D., 392
Kamboh, M. I., 817, 827
Kamiya, T., 537
Kammerer, C., 707
Kanno, T., 232
Kanter, E., 489
Kar, B. C., 239
Kate, S., 239
Kawasaki, T., 537
Kazazian, H. H., Jr., 539
Keitges, E., 470
Kendall, A. G., 797
King, M.-C., 681, 699
King, R. H., 707
Kline, J., 68
Klinger, K., 681, 735
Klisak, I., 186
Klitz, W., 340
Knowler, W. C., 409
Knuutila, S., 88
Koeslag, J. H., 477
Koguchi, H., 603
Kohonen-Corish, M. R. J., 751
Kozak, C. A., 194
Krassikoff, N. E., 618
Kronenberg, H., 350
Kruyer, H., 713
Kulozik, A. E., 239
- Labidi, F., 452
Lalouel, J.-M., 425, 681, 694
Lander, E. X., 282(L)
Lange, K., 148(L)
Lathrop, G., 425, 681, 694
Latimer, J., 707
Law, H.-Y., 713
Laxova, R., 265
Lebo, R. V., 203
Lee, G. M., 699
Lench, N., 713
Leppert, M., 300, 425, 694
Lesko, J. G., 669(L)
Lewis, M., 612
Lian, Z., 648
Lissens, W., 713
- Litt, M., 166
Ludman, M. D., 763
Luis, A. J., 186
- MacCluer, J. W., 707
Maekawa, M., 232
Maestri, N. E., 539
Magenis, R. E., 383
Mager, D., 265
Marshall, S., 707
Mastella, G., 832
Matsuomoto H., 528
Mayr, W., 528
McAlpine, P. J., 612
McCormick, D. B., 477
McInnes, R. R., 38
Meyers, D. A., 539, 584
Mickey, M. R., 123
Mickleleson, K. N. P., 350
Migeon, B. R., 245
Millington-Ward, A., 438
Miranda, L. I., 707
Miyazaki, G. L., 489
Modi, W. S., 194
Mohandas, T., 186
Morpurgo, G., 502
Morrell, D., 573
Morris, J. W., 528
Motulsky, A. G., 559
- Nakamura, Y., 694
Naylor, S., 681, 707
New, M. I., 461
Nicholas, L., 489
Nijenhuis, L., 528
Nishioka, Y., 797
Novelletto, A., 631
Nussbaum, R. L., 669(L)
- O'Brien, S. J., 194
O'Brien, W. E., 38, 729
O'Connell, P., 300, 425, 694
Olson, S., 383
Omoto, K., 414
Opdenakker, G., 79

- Ott, J., 159, 681
Overhauser, J., 1, 562

Palese, P., 763
Palumbo, A. P., 307
Pandey, J. P., 133
Parry, D. M., 618
Parsa, N. Z., 661
Patterson, D., 179
Pauli, R. M., 265
Pearson, P. L., 438
Peltonen, L., 222
Pettitt, D. J., 409
Pintero, R., 707
Polesky, H., 528
Ponder, B. A. J., 11
Popovich, B. W., 797
Pulliam, L. H., 361

Rahbar, S., 673(BR)
Ranasinghe, W. A. E. P., 239
Rendon, H., 707
Reveille, J. D., 584
Rice, N. R., 194
Risch, N., 68
Roberson, J. R., 88
Romeo, G., 283(L), 832
Rosenblatt, D. S., 404, 797
Rosenbloom, C. L., 729
Rotter, J. I., 25, 640
Rotwein, P., 291
Rovera, G., 307
Rubinstein, P., 489

Sada, M., 537
Salmon, D., 528
Santachiara Benerecetti, A. S., 502
Sasazuki, T., 537
Scambler, P., 713
Schach, S. R., 477
Schiffrin, A., 811
Schmidt, M., 245
Schonberg, S. A., 1
Schwartz, R., 735
Scoggin, C., 145(L)
Sears, T. S., 787

Seilheimer, D. K., 729
Semino, O., 502
Serjeant, G. R., 239
Serjeantson, S. W., 751
Shane, S., 307
Shapiro, F. D., 52
Shaw, E., 371
Sheehy, R., 383
Showe, L. C., 307
Shukin, R. J., 744
Simard, L., 38
Simon, P., 713
Sing, C. F., 137
Skolnick, M. H., 573
Skraastad, M. I., 438
Smith, B., 397
Smith, F. I., 763
Sorenson, J. R., 253
Sparkes, R. S., 186
Spence, J. E., 729
Spence, M. A., 640
Spritz, R. A., 265
Sroka, B., 245
Stanier, P., 713
Stanislovitis, P., 735
Starr, T. V., 744
Steckel, F., 371
Stein, Z., 68
Steinberg, A. G., 409
Steinmann, B., 222
Stern, R. C., 729
Stetten, G., 245
Sudo, K., 232
Sussman, L., 489
Svendsen, L. B., 133
Swift, M., 573
Snyder, R., 661

Tagarelli, A., 631
Terasaki, P. I., 123
Testa, J. R., 661
Thein, S. L., 11
Thompson, E. A., 285(L)
Thompson, G., 207, 340
Thompson, K., 425
Tokunaga, K., 414

- Tooley, K., 145(L)
Toth-Fejel, S., 383
Trent, R. J., 350
Trofatter, J. A., 147(L)
Tsui, L.-C., 681, 720
- Upton, M. P., 52
- Valentin, J., 528
VanDeuren, M. L., 179
Vande Woude, G., 694
VanDyke, D. L., 88
vanOmmen, G. J. B., 438
Vassart, G., 713
Vawter, G. P., 52
Vitale, E., 832
Volckaert, G., 79
von Figura, K., 371
- Wainscoat, J. S., 239
Wainwright, B., 681, 713
Walkers, R., 528
Wallace, D. C., 502
Wang, H. S., 392
Wang, N., 88
Wapenaar, M. C., 438
Warburton, D., 68
Wasmuth, J. J., 1, 397, 562
Watanabe, T., 603
Watkins, D., 404
Watkins, P., 681, 735
Watson, E., 713
Weatherall, D. J., 11, 239
Weiss, L., 88
- Welch, D., 317
Weliky, K., 383
Werkmeister, J. W., 461
Wertz, D. C., 253
Wexler, K., 489
White, P. C., 461
White, R., 300, 425, 681, 694, 787
Wieder, K., 707
Wilkinson, R. H., 52
Wilkinson, T., 350
Williams, R. C., 409
Williams, R. P., 300
Williamson, R., 681, 713
Wilson, V., 11
Winter, J. S. D., 811
Wood, S., 744
Woodward, S., 694
Wong, F. L., 25
Wong, P., 612
Worrall, C., 713
Worsham, M. J., 88
Wu, L., 300
- Yakas, J., 350
Yanase, Y., 537
Yang-Feng, T. L., 79
Yokoyama, S., 291
Yoshida, A., 203
Young, B., 699
- Zack, M. M., 648
Zansky, S. M., 707
Zollman, S., 186
Zunzunegui, V., 699

Subject Index to Volume 39

(L) = Letter to the Editor; (E) = Editorial; (NC) = News and Comments;
(R) = Review Article

- Allan Award, presentation of, 559
Alpha-thalassemia, in Italy, 631
American Indians, Gm in, 409
Arginase, assignment to 16q23, 186
Argininosuccinate lyase deficiency, structural mutations by immunoblotting, 38
Ataxia-telangiectasia
 gene frequency of, 573
 inverted duplication of J_H on chromosome 14, 787
Autoimmunity, is a dominant trait, 584
- Beckwith-Wiedemann syndrome, dosage of insulin, and ras gene in, 265
Beta-globin, multipoint mapping in, 539(L)
Beta-glucosidase, Gaucher disease, 763
Beta-thalassemia, atypical due to large deletion, 797
Birth defects, paternal age in, 648
Books reviewed, authors/editors
 Adelman, R. C., 546
 Bundey, S., 421
 Chaganti, R. S. K., 152
 Cohen, M. M., 420
 Dekker, E. E., 546
 Emery, A. E. H., 551
 German, J., 152
 Goodman, R. M., 551
 Hecht, F., 151
 Kuttapa T., 673
 Lasker, G. W., 545
 Mizejewski, G. J., 547
 Müller, H.J., 673
 Myrianthopoulos, N. C., 152
 Nusbaum, I., 151
 Porter, I. H., 547
 Rollnick, B. R., 420
 Serjeant, G. R., 673
 Smith, S. D., 548
 Sutherland, G. R., 151
 Turkel, H., 151
 Walker, W., 549
 Weber, W., 673
 Wilkins, A. S., 420
 Zomzely-Neurath, C., 549
Books reviewed/titles
 AFP and Congenital Disorders, 547
 Craniofacial Dysmorphology, Studies in Honor of Samuel Pruzansky, 420
 Familial Cancer, 673
 Fragile Sites on Human Chromosomes, 151
 Gene Expression in Brain, 549
 Genetic Analysis of Animal Development, 420
 Genetics and Learning Disabilities, 548
 Genetics and Neurology, 421
 Genetics in Clinical Oncology, 152
 Introduction to Recombinant DNA, An, 551
 Malformations in Children from One to Seven Years. A Report from Collaborative Perinatal Project, 153
 Medical Treatment of Down Syndrome and Genetic Diseases, The, 151
 Modification of Proteins during Aging, 546
 Planning for a Healthy Baby: A Guide to Genetic and Environmental Risks, 551

- Sickle Cell Disease*, 673
Surnames and Genetic Structure, 545
- Chromosome 5, molecular analysis of P deletions, 1
Chromosome 5p, fine structure map of, 562
Chromosome 6, arginase at 6q23, 186
Chromosome 7, band 3-like 7q35→7q36, 307
Chromosome 9, inherited paracentric insertion of, 612
Chromosome 11p, mapping of beta-globin, insulin and C-Ha-Ras-1, 539
Chromosome 13q, primary genetic map of, 425
Chromosome 21, glycnamide ribonucleotide synthetase on, 179
Cleft lip, segregation analysis of, 603
Coagulation factors, XIIIIB, 817
Collagen
 types I and III in Ehlers-Danlos syndrome type VII, 222
 type II in Langer-Saldino achrodermatosis, 52
Complement
 C1R subcomponent, 826
 family study of C6 and C7 polymorphisms in, 414
Cystic fibrosis
 homogeneity in, 282(L)
 homogeneity of in Italy, 832
 homogeneity vs. heterogeneity, 283(L)
Cystic fibrosis linkage studies
 a collaborative study, 681
 in 14 families, 707
 in multigenerational pedigrees, 735
 in multiplex families, 699
 in 26 families, 729
 The Utah Study, 694
 with DNA markers, 720
 with *met* and pJ3.11, 713
- Deletions
 alpha-thalassemia gene, 631
 15q in Prader-Willi, 452
 marker analysis of P5, 1
 steroid 21-hydroxylase genes, and, 461
Diabetes, HLA-dependent GM effects in insulin-dependent, 640
DNA
 contamination in restriction endonucleases, 145(L)
 isolation of high molecular weight DNA from cytogenetic preparations, 661
DNA "fingerprints," segregation analysis of, 11
Down syndrome, epidemiology of translocation, 361
Ehlers-Danlos syndrome, type VII, procollagen types I and III in, 222
Familial polyposis coli, IgG heavy-chain allotypes, 133
Gaucher disease, mRNA levels, 763
Gene frequencies, marital mores, 477
Genetic counseling, client's interpretation of risks, 253
Globin
 β^S-globin gene haplotypes, 239
 gamma-genes in Polynesians, 350
Globin-gene, atypical thalassemia due to large deletion, 797
Glucose-6-phosphate dehydrogenase, G6PD-like locus on chromosome 17, 203
Glycinamide ribonucleotide synthetase, on chromosome 21, 179
Gm, 3;5,13,14 admixture, 409
Goiter, autosomal dominant form of, 811
Hemoglobin H disease, molecular basis for in Italy, 631

- HLA
 evolutionary histories, 340
 in insulin-dependent diabetes, 640
- Huntington disease
 G8 marker at 4p16.1-16.3, 392
 linkage with RFLP at 4p16.1, 383
 recombinant library of 4p, 397
- Hypercholesterolemia, DNA probe
 for LDL receptor gene, 300
- Hypervariable region, flanking human
 insulin gene, 291
- Hypoxanthine phosphoribosyltrans-
 ferase, *DSX42* RFLP, 669(L)
- IgG, in familial polyposis, 133
- Insulin
 gene dosage in Beckwith-
 Wiedemann syndrome, 265
 hypervariable region flanking insu-
 lin gene, 291
- Kawasaki syndrome, genetic analysis
 of, 537(L)
- Lactate dehydrogenase, A subunit
 deficiencies, 232
- Langer-Saldino achondrogenesis,
 collagen type II in, 52
- LDL receptor, tightly linked DNA
 probe, 300
- Linear modeling, multi-theory ap-
 proach, 000
- Linkage
 cystic fibrosis, see Cystic fibrosis
 linkage studies
 Size considerations in recessive dis-
 orders, 25
- Linkage analysis
 detection of heterogeneity, 159
 estimating the power of, 513
 lipin data management program,
 147(L)
 managing data for, 146(L)
- Linkage disequilibria, at highly poly-
 morphic region on 2Q, 166
- Linkage studies, multipoint mapping
 of beta-globin, insulin, and C-Ha-
 ras-1, 539(L)
- Lipid, lipin data management, 147(L)
- Lod scores, error detected in pub-
 lished, 544(L)
- Lymphocytes, two-dimensional gel
 electrophoresis protein variants
 in, 317
- Major translocation, chromosome 14
 and ataxia telangiectasia, 787
- Marital mores, mechanism for the
 maintenance of ethnic variations,
 477
- Maternal age, chromosome size, and
 autosomal trisomy, 68
- Metachromatic leukodystrophy, he-
 terogeneity in, 371
- Methylmalonic aciduria, failure of ly-
 sosomal release of vitamin B₁₂,
 404
- Mitochondrial DNA, RFLPs in, 502
- Myeloproliferative disorder, chromo-
 somal breakpoint near plasmino-
 gen activator gene, 79
- Oncogenes
 C-Ha-ras genes in Beckwith-
 Wiedemann syndrome, 265
 C-Ha-ras multipoint mapping stud-
 ies, 539(L)
- Paternal age, an occurrence of birth
 defects, 648
- Paternity, likelihood inference of,
 285(L)
- Paternity index
 no fallacies in the formation of, 528
 some fallacious thinking about,
 600(L)
- Paternity testing
 probability in, 112
 validation of Essen-Möller proba-
 bility, 123

- Plasminogen activator, gene near chromosomal breakpoint in myeloproliferative disorder, 79
- Population genetics
 affected sib-pair method, 148(L)
 Dogon population (Mali), 96
 sequential sampling scheme for pedigree, 274
 variance of quantitative traits, 137
- Prader-Willi Syndrome, deletion 15q in, 452
- rel* sequences, mapping in man, mouse, and cat, 194
- Restriction endonuclease, DNA contamination in, 145(L)
- Restriction fragment length polymorphisms
 applications to the determination of paternity, 489
 chromosome 8, 744
 DSX42 and hypoxanthine phosphoribosyltransferase in three ethnic groups, 489
 linkage studies in cystic fibrosis, see Cystic fibrosis
 minor linkage of HLA-DR and DQ, 751
 of mitochondrial DNA in Nepal, 502
 sib-pair method, 207
 variation of X chromosome vs. autosomes, 438
- Roberts/SC phocomelia syndrome, chromatid repulsion in, 618
- Segregation analysis
 DNA fingerprints in, 11
 effect of proband designation, 329
- Sickle-cell disease, β^S -globin gene haplotypes, 239
- Steroid sulphatase, dosage in the mouse, 470
- Steroid 21-hydroxylase, deletion and duplication in, 461
- Translocations
 in Down syndrome, 361
 nucleolus organizer in X chromosome, 245
- Trisomy, maternal age in, 68
- Trisomy 21, translocation Down syndrome in, 361
- Twinning, dizygotic and cycle day of insemination, 542(L)
- Two-dimensional gel electrophoresis, genetic variants in six lymphocyte polypeptides, 317
- X chromosome
 less genetic variation at restriction sites than the autosomes, 438
 metaphase marker of inactive X, 88
 translocation of nucleolus organizer in, 245

